



OMB No. 2010-0032  
Expiration Date 08/30/06

## Performance Track Membership Renewal Application 2005

### American Ref-Fuel Company of Hempstead Member since 2002

**A020052**

## Commitment 1

- What category have you selected  
1a from the Environmental Performance Table? Energy Use
- What indicator have you selected  
1b from the Environmental Performance Table? Transportation energy use
- Does your commitment include everything covered by the indicator (e.g., all VOCs, all non-hazardous waste), or a specific substance or component (e.g., ethane, cardboard)?  
1c Specific
- If your commitment is to a specific substance or component, please provide additional detail on your indicator (e.g., specific chemical to be reduced, specific waste component). Diesel fuel
- What activities or process changes do you plan to undertake at your facility to accomplish your commitment e.g., technology changes in a particular process line, employee training?  
1d
- To meet this Commitment, which is to reduce the amount of diesel fuel used in our heavy equipment, we plan to purchase and install fuel catalyst devices on three pieces of equipment - two front-end loaders and either a jock truck or our street sweeper. The fuel catalysts are designed to improve engine efficiency, which will reduce the amount of fuel consumed and provide a secondary benefit of reduced emissions. Since the emissions from mobile equipment are difficult to measure, this Commitment is based on fuel usage only.
- Based on discussions with the manufacturer and experience at another Ref-Fuel facility, we expect a 5 percent reduction in fuel use in the machines that have catalysts installed. Our Commitment may not appear to reflect the full 5 percent reduction because initially, the devices will not be installed on all of the mobile equipment on site.
- 2 Are you proposing this as a regional challenge commitment? No
- 3a Is this indicator considered significant in your EMS? No
- If no, please explain why you believe this indicator should be included as a performance commitment.  
3b
- The installation of fuel catalysts will reduce the overall quantity of diesel fuel consumed, which is a benefit to the environment. In addition, we expect reductions in emissions of pollutants such as carbon monoxide (CO) and nitrogen oxides (NOx), which are significant aspects in our EMS.

Flexible Form Needed?	No	
	Baseline	Future

Exclude?	No	No
Reason for Exclusion		
4a Please provide information for these calendar years.	2004	2007
4b What units are you using to quantify this indicator?	gallons	
4c List the baseline annual quantity of the indicator and the annual quantity you are committed to achieve by the future year. Future commitments should not reflect projected changes in production.	44,421	42,871

- 5 Does the quantity presented in the future quantity column represent an absolute goal or a normalized goal? Normalized goal (i.e. indexed to level of business in baseline year)

Whether your goal is absolute or normalized, in your annual performance reports you will need to provide normalizing factors and normalized quantities of your annual data.

- 6 In the textbox to the right, please briefly describe your basis for normalizing. Examples of potential normalizing bases include:

The normalizing factor for this Commitment is the number of kilopounds of steam generated in the facility's boilers, which is directly related to the number of tons of solid waste processed. Tons processed determines the number of hours the front-end loaders are used, and in turn, the amount of fuel consumed.

- gallons of paint produced
- square feet of circuit boards sold
- number of patients seen
- dollars of sales adjusted for inflation
- number of employees (for R&D and administrative sites only)

- 7a Are you subject to Federal, State, Tribal, or local regulatory requirements for this indicator? No

- 7b If yes, please list those requirements, including the quantitative limits and compliance deadlines that apply to you. Explain how your commitment exceeds requirements.

## Commitment 2

- 1a What category have you selected from the Environmental Performance Table? Noise
- 1b What indicator have you selected from the Environmental Performance Table? Noise
- 1c All

Does your commitment include everything covered by the indicator (e.g., all VOCs, all non-hazardous waste), or a specific substance or component (e.g., ethane, cardboard)?

What activities or process changes do you plan to undertake at your facility to

1d accomplish your commitment e.g., technology changes in a particular process line, employee training?

2 Are you proposing this as a regional challenge commitment?

3a Is this indicator considered significant in your EMS?

If no, please explain why you believe  
3b this indicator should be included as a performance commitment.

To achieve this Commitment, we will significantly reduce the noise generated from the unloading of pebble lime from delivery trucks. We plan to install a connection to the existing plant air system, which will provide the air needed to blow the lime into on-site storage silos. This will replace the existing method, which uses on-board blowers that generate excessive noise in the unloading area.

No

No

Noise is not a significant aspect in our EMS because the facility is located in a commercial area. However, we are mindful of our impact on the community and strive to minimize it whenever possible.

Flexible Form Needed?	No	
	Baseline	Future
Exclude?	No	No
Reason for Exclusion		
4a Please provide information for these calendar years.		
4b What units are you using to quantify this indicator?	dBA	
4c List the baseline annual quantity of the indicator and the annual quantity you are committed to achieve by the future year. Future commitments should not reflect projected changes in production.	100	80

5 Does the quantity presented in the future quantity column represent an absolute goal or a normalized goal?

Absolute goal (i.e., demonstrates improvement even if production increases)

6 Whether your goal is absolute or normalized, in your annual performance reports you will need to provide normalizing factors and normalized quantities of your annual data.

N/A

In the textbox to the right, please briefly describe your basis for normalizing. Examples of potential normalizing bases include:

- gallons of paint produced
- square feet of circuit boards sold

- number of patients seen
- dollars of sales adjusted for inflation
- number of employees (for R&D and administrative sites only)

Are you subject to Federal, State, Tribal, or  
7a local regulatory requirements for this indicator? Yes

If yes, please list those requirements, including the quantitative limits and  
7b compliance deadlines that apply to you. Explain how your commitment exceeds requirements.

The noise restrictions imposed on the facility are specific to impact on locations zoned or authorized for residential purposes, and we are well below the limits (67 dBA day and 57 dBA night). We are going beyond these limits by reducing noise levels in commercial areas.

### Commitment 3

What category have you selected  
1a from the Environmental Performance Table? Land and Habitat

What indicator have you selected  
1b from the Environmental Performance Table? Land and habitat conservation

Does your commitment include everything covered by the indicator  
1c (e.g., all VOCs, all non-hazardous waste), or a specific substance or component (e.g., ethane, cardboard)? All

What activities or process changes do you plan to undertake at your facility  
1d to accomplish your commitment e.g., technology changes in a particular process line, employee training? To meet this Commitment, we plan to make a monetary donation to the US Fish and Wildlife Service to sponsor a project to restore wetlands and/or animal or plant habitat, preferably in a local community on Long Island. The actual acreage to be restored depends on the particular project selected and our Commitment reflects an estimate based on discussions with Fish and Wildlife Service personnel.

2 Are you proposing this as a regional challenge commitment? No

3a Is this indicator considered significant in your EMS? No

If no, please explain why you believe  
3b this indicator should be included as a performance commitment. This Commitment does not address a significant aspect because we are located on a relatively small site that does not have potential for land or habitat restoration. However, it is a significant issue on Long Island due to the many shores, wetlands and other environmentally sensitive areas that have been impacted by commercial and industrial development and the limited open space on the Island that remains undisturbed.

Flexible Form Needed?	No
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	Baseline	Future
Exclude?	No	No
Reason for Exclusion		
4a Please provide information for these calendar years.	2004	2007
4b What units are you using to quantify this indicator?	acres	
4c List the baseline annual quantity of the indicator and the annual quantity you are committed to achieve by the future year. Future commitments should not reflect projected changes in production.	0	10

- 5 Does the quantity presented in the future quantity column represent an absolute goal or a normalized goal?

Absolute goal (i.e., demonstrates improvement even if production increases)

Whether your goal is absolute or normalized, in your annual performance reports you will need to provide normalizing factors and normalized quantities of your annual data.

- 6 In the textbox to the right, please briefly describe your basis for normalizing. Examples of potential normalizing bases include:

-gallons of paint produced  
 -square feet of circuit boards sold  
 -number of patients seen  
 -dollars of sales adjusted for inflation  
 -number of employees (for R&D and administrative sites only)

N/A

- 7a Are you subject to Federal, State, Tribal, or local regulatory requirements for this indicator?

No

- If yes, please list those requirements, including the quantitative limits and compliance deadlines that apply to you. Explain how your commitment exceeds requirements.

#### Commitment 4

- 1a What category have you selected from the Environmental Performance Table?

Air Emissions

- 1b What indicator have you selected from the Environmental Performance Table?

NO<sub>x</sub>

- 1c Does your commitment include everything covered by the indicator (e.g., all VOCs, all non-hazardous waste), or a specific substance or component (e.g., ethane, cardboard)?

All

- 1d What activities or process changes do you plan to undertake at your facility to accomplish your

The Facility's three boilers are equipped with selective non-catalytic reduction (SNCR) systems for the control



commitment e.g., technology changes in a particular process line, employee training?

of NOx emissions. A urea solution is injected into the upper furnace to reduce emissions of NOx below our permit limit.

To meet this Commitment, we plan to inject additional urea to further reduce NOx emissions beyond the requirements of our Title V operating permit.

2 Are you proposing this as a regional challenge commitment?

No

3a Is this indicator considered significant in your EMS?

Yes

If no, please explain why you believe this

3b indicator should be included as a performance commitment.

Flexible Form Needed?	No	
	Baseline	Future
Exclude?	Yes	Yes
Reason for Exclusion	Excluded per susan's comment in review form - NOx level only reflects compliance.	
4a Please provide information for these calendar years.	2004	2007
4b What units are you using to quantify this indicator?	Tons	
4c List the baseline annual quantity of the indicator and the annual quantity you are committed to achieve by the future year. Future commitments should not reflect projected changes in production.	1,698	1,442

5 Does the quantity presented in the future quantity column represent an absolute goal or a normalized goal?

Normalized goal (i.e. indexed to level of business in baseline year)

6 Whether your goal is absolute or normalized, in your annual performance reports you will need to provide normalizing factors and normalized quantities of your annual data.

The normalizing factor for this Commitment is the number of kilopounds of steam generated in the facility's boilers, which is directly related to facility availability and therefore, potential mass emissions of NOx.

In the textbox to the right, please briefly describe your basis for normalizing.

Examples of potential normalizing bases include:

- gallons of paint produced
- square feet of circuit boards sold

- number of patients seen
- dollars of sales adjusted for inflation
- number of employees (for R&D and administrative sites only)

Are you subject to Federal, State, Tribal, or  
7a local regulatory requirements for this indicator? Yes

If yes, please list those requirements, including the quantitative limits and  
7b compliance deadlines that apply to you. Explain how your commitment exceeds requirements.

As of November 24, 2005, our Title V operating permit will limit NOx emissions from the Facility to 1457 tons per year based on a 365-day rolling total, which is a significant reduction from current emission levels. Our Commitment to meet 1442 tons per year of NOx is 15 tons less than our future permit limit.

Attachments (if applicable) :

## Section E: Self-Certification of Continued Program Participation

On behalf of American Ref-Fuel Company of Hempstead, I certify that:

- I have read and agree to the terms and conditions for Membership Renewal and Participation in the National Environmental Performance Track, as specified in the National Environmental Performance Track Program Guide and in the Renewal Application Instructions;
- I have personally examined and am familiar with the information contained in this Renewal Application. The information contained in this Renewal Application is, to the best of my knowledge and based on reasonable inquiry, true, accurate, and complete, and I have no reason to believe the facility would not meet all program requirements;
- My facility has an environmental management system (EMS), as defined in the Performance Track EMS requirements, including systems to maintain compliance with all applicable Federal, State, tribal, and local environmental requirements in place at the facility, and the EMS will be maintained for the duration of the facility's participation in the program
- My facility has conducted an objective assessment of its compliance with all Federal, State, tribal, and local environmental requirements, and the facility has corrected all identified instances of potential or actual noncompliance;



- Based on the foregoing compliance assessment and subsequent corrective actions (if any were necessary), my facility is, to the best of my knowledge and based on reasonable inquiry, currently in compliance with applicable Federal, State, tribal, and local environmental requirements.

I agree that EPA's decision whether to accept participants into or remove them from the National Environmental Performance Track is wholly discretionary, and I waive any right that may exist under any law to challenge EPA's acceptance or removal decision.

I am the senior facility manager and fully authorized to execute this statement on behalf of the corporation or other legal entity whose facility is applying to this program.

Signature/Date: \_\_\_\_\_

Name: Mr. Steven J. Bossotti, P.E.

Title: Plant Manager

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